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10/642,581	08/19/2003	Fang-Chen Cheng	29250-001063/US 2943		
. 7590 10/17/2007 HARNESS, DICKEY & PIERCE, P.L.C.			EXAMINER		
P.O. Box 8910			TSEGAYE, SABA		
Reston, VA 20195			ART UNIT	PAPER NUMBER	
			2619		

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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

U.S. Patent and	Trade	mark Offic	
PTOL-326 (Rev.	08-06)	

Paper No(s)/Mail Date

2) Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) Information Disclosure Statement(s) (PTO/SB/08)

Paper No(s)/Mail Date. __

6) __ Other: _

5) Notice of Informal Patent Application

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DETAILED ACTION

Response to Amendment

1. This Office Action is in response to the amendment filed 07/23/07. Claims 1-14 and 17-20 are pending. Currently no claims are in condition for allowance.

Claim Rejections - 35 USC § 102

2. Claims 1-14 and 17-20 are rejected under 35 U.S.C. 102(e) as being anticipated by Vayanos et al. (US 2002/0122400 A1).

Regarding claims 1 and 11, Vayanos discloses a method for enhanced uplink data transmission, comprising:

independently generating a transport channel for each transmission mode, each transport channel having an associated transmission time interval (TTI) (0002; 0009; 0027);

multiplexing the generated transport channels on a selected TTI basis to form a composite transport channel, the selected TTI being selected from one of the TTIs associated with the independently generated transport channels (0029-0031, 0041); and mapping the composite transport channel onto a physical channel (0033-0034).

Regarding claim 2, Vayanos disclose the method wherein the selected TTI is a minimum of the TTI associated with the independently generated transport channels (0037).

Regarding claim 3, Vayanos discloses the method wherein the independently generating step generates first and second transport channels having first and second TTIs, and the second TTI is a multiple of the First TTI (0033; 0037).

Regarding claim 4, Vayanos discloses the method wherein the transmission mode associated with the first transport channel is a scheduled transmission mode and the transmission mode associated with the second transport channel is an autonomous transmission mode (0030-0031).

Regarding claim 5, Vayanos discloses the method wherein the first TTI is 2ms and the second TTI is 10ms (0040).

Regarding claim 6, Vayanos discloses the method wherein the generating step independently generates transport channels for more than one transmission mode (see fig. 2).

Regarding claim 7, Vayanos discloses the method wherein the TTI of each transmission mode is one of a sub-multiple and multiple of 10 ms (0040).

Regarding claim 8, Vayanos discloses the method wherein the independently generating step generates first and second transport channels having first and second TTIs, the transmission mode associated with the first transport channel is a scheduled transmission mode and the transmission mode associated with the second transport channel is a autonomous transmission mode (0030-0031).

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Regarding claim 9, Vayanos discloses the method wherein the first TYI is 2ms and the second TTI is 10ms (0040).

Regarding claim 10, Vayanos discloses the method wherein the mapping step maps the composite transport channel onto the physical channel on the selected TTI basis (0034).

Regarding claim 12, Vayanos discloses the method of wireless uplink communication comprising: mapping at least two transport channels within a physical channel (0034)

multiplexing the at least tow transport channels on a selected transmission time interval basis to form a composite transport channel, the selected TTI being selected from one of the TTIs associated with the at lest tow transport channels (0029-0031, 0041).

Regarding claim 13, Vayanos discloses the method wherein each of the transport channels has a distinct transmission time interval ("TTI") associated thereto (0002, 0037).

Regarding claim 14, Vayanos discloses the method wherein the two transport channels are generated for each transmission mode (see fig. 2).

Regarding claim 17, Vayanos discloses the method wherein the selected TTI is a minimum of the TTIs associated with the at least two transport channels (0037).

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Regarding claim 18, Vayanos discloses the method wherein the transport channels are generated by generating at least a first and a second transport channel having first and second TTIs, and the second TTI is a multiple of the first TTI (0033).

Regarding claim 19, Vayanos discloses the method wherein the transmission mode associated with the first transport channel is a scheduled transmission mode and the transmission mode associated with the second transport channel is an autonomous transmission mode (0031).

Regarding claim 20, Vayanos discloses the method wherein the step of mapping maps the composite transport channel onto the physical channel on the selected TTI basis (0034).

Response to Arguments

3. Applicant's arguments filed 07/23/07 have been fully considered but they are not persuasive. Applicant argues (Remarks, page 7) that Vayanos does not disclose "multiplexing the generated transport channels on a selected TTI basis to form a composite transport channel, the selected TTI being selected from one of the TTIs associated with independently generated transport channels". Examiner respectfully disagrees with Applicant contention. Vayanos clearly discloses, in Fig. 2, the data streams are multiplexed by multiplexer module 48 into one data stream called the transport stream 50. The multiplexer is configure to receive a plurality of data streams on to a single data stream based on TFCs that meet TTI constraints. Further, Vayanos discloses that TTIS boundary for one transport channel is also a boundary for all transport channels that have equal or shorter TTI (page 4, 0041).

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Conclusion

4. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Saba Tsegaye whose telephone number is (571) 272-3091. The examiner can normally be reached on Monday-Friday (7:30-5:00), First Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wing Chan can be reached on (571) 272-7493. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Saba Tsegaye Examiner Art Unit 2619

ST October 5, 2007

WING CHAN